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ANNOUNCEMENT. — FROM the many kind and encouraging letters rec'd in response to the Special Notice, published in No. 5, we do not hesitate to announce the *continuance* of the ANALYST.

We have no additional inducements to offer for the purpose of obtaining new subscribers, but, bearing in mind that each additional subscriber will enhance the *value* of the Journal, by increasing the number of its contributors and the variety of its contents, as well as contribute to its life and support, it is hoped that its friends will, each, make such reasonable effort to extend its circulation as circumstances may justify.

We shall endeavor, in the future as in the past, to make the ANALYST as acceptable to its readers and contributors as our ability and circumstances will permit; having made definite arrangements for its continuance at least two years longer.

No. 1, Vol. V, will be issued about the 25th of Dec., and will contain a paper on the Grouping of Signs of Residuals, by De Forest, the conclusion of Mr. Meech's paper on Elliptic Functions, and other articles of interest to mathematicians, besides the usual number of problems and solutions.

Editor.

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### PUBLICATIONS RECEIVED.

- New Constructions in Graphical Statics.* By HENRY T. EDDY, C. E., Ph. D. 62 pp. 8vo, with many cuts and six folding plates. New York. D. Van Nostrand, publisher. 1877.
- Elementary Discussion of the Principle of Least Squares.* By MANSFIELD MERRIMAN, Ph. D. 15 pp. 8vo. Reprinted from the Journal of the Franklin Institute. Sept., 1877.
- Elements of the Method of Least Squares.* By MANSFIELD MERRIMAN, Ph. D. 200 pages. 12mo. London. Macmillan and Co.
- Transactions of the Wisconsin Academy of Science, Arts and Letters.* 8vo. 269 pages. Madison, Wisconsin. 1876. — This publication contains many valuable papers, the most interesting of which, perhaps, to mathematicians, is a paper on Recent Progress in Theoretical Physics, by JOHN E. DAVIES, A. M., M. D., Professor of Physics in the Univ. of Wisconsin.

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### ERRATA.

- On page 153, line 3, for "and the edges by (01)" &c., read, and the squares of the edges &c.
- " " 156, " 13, for  $\frac{4}{3}$ , read  $\frac{2}{3}$ . And on page 162, line 2, for  $\theta$ , read  $\phi$ .
- " " 162, " 5, for  $\sqrt{[(\cos \phi + 1) \cdot \sqrt{(\cos \frac{1}{2} \phi)]}$ , read  $(1 + \sqrt{\cos \phi}) \sqrt{\cos \frac{1}{2} \phi}$ .
- " " " , " 22, insert a bracket immediately after the radical sign in the denominator of the last member of the equation, and a corresponding bracket at the end of the line.
- On page 166, line 8, change the three + signs to —, and for  $\frac{1}{2}e^6$ , read  $\frac{1}{2}e^6$ .
- " " 181, " 3, for additions, read additional.
- " " 282, " 11, and line 16, for (17) and (16), read respectively (14) and (13).
- " " " , " 8 from bottom, *dele* —.